TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION Effective February 1, 2004
SHU-103

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation 3 years after the effective date.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

CPC 55mm Rolling Shutter manufactured by

Innovative Protective Products, LLC
742 N.E. Jensen Beach Blvd.
Jensen Beach, FL 34957
(772) 334-0858

will be accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with this product evaluation along with Drawing No. 03-318, sheets 1-9 of 9, prepared by EngCo Inc., dated December 30, 2003, signed and sealed by Pedro De Figueiredo, P.E., on January 15, 2004. The stated drawings will be referred to as the approved drawings in this report.

PRODUCT DESCRIPTION

The coextruded polymeric composite (CPC) 55mm rolling shutter is a permanently mounted impact protective system. The CPC slats have a nominal blade width of 2.125" and a depth of 0.575". The slats are mounted with the following components: mullions, tracks, the reel box assembly and tubes. The overall horizontal span of the system can be increased by the use of mullions that create multiple spans. Consecutive single spans and multiple spans are connected with mullions. All aluminum extrusions shall be 6005-T5 aluminum alloy unless otherwise noted on the drawings. The shutters may be wall mounted, inside mounted, mullion mounted, built-out mounted or any combination thereof.

Product Identification: A label will be affixed to the rolling shutters. The label shall include the manufacturer's name, series and model number, and the allowable design pressure rating.

LIMITATIONS

Maximum Allowable Slat Span (Design Pressure of ±87 psf): 146 ¼".

Maximum Allowable Design Pressure (Spans ≤ 98 ¼"): ±124.8 psf

Maximum Mullion Span: The maximum span of the shutter system with consecutive spans and/or multiple spans is dependent on the mullion span which is determined using the mullion charts on sheet 5 of 9 of the drawings.

Impact Resistance: This shutter assembly satisfies the Texas Department of Insurance's criteria for protection from windborne debris in both the Inland I zone and the Seaward zone. The shutter assemblies passed Missile Level C specified in ASTM E 1996-99 and Missile Level D specified in ASTM E 1996-02. The shutter assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

INSTALLATION INSTRUCTIONS

General Installation Requirements:
All shutters shall be installed in accordance with the approved drawings.

Mounting Conditions:
The shutter system shall be mounted and anchored in accordance with the mounting conditions shown on the drawings. For attachment to any wood framing members, the wood framing members shall be a minimum 2" x 4" Southern Pine No. 2 grade lumber (specific gravity $G \geq 0.55$), and lag screws shall have a minimum embedment of 3" into the wood framing members.

Note: Manufacturer's installation instructions and the approved drawings shall be available on the job site. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC).